Electronic Translators CPYRGHT

Computers' Dilemma. Big Words and Politics

By David Perlman

computer, struggling manfully to translate a science The advent of machine treatise from the Russian ranslation from such lang-convention of the Special fully to translate a science into English.

need a difficult vocabulary enormous total of scientific of scientific terms, but it has to be politically sophisticated as well.

Yet despite this vexing difficulty, translation of scientific documents by computers and director of the Central runs.

will be an accomplished fact. Intelligence Agency, whose in the immediate future, a job is keeping tabs on tech-

Not only does the machine hese will swell the already Sheraton-Palace Hotel. dan researchers, an expert ad.

Pity the poor electronic national group of librarians nical information from all mputer, struggling man-was told here yesterday.

ges as Russian and Chi- Libraries Association at the

Many research centers erature available to Ameriare now developing computer-based translation programs, Howerton said, and some of the programs are already functioning on trial

> The problem is extremely words stored in the "mem ideological correctness of ories" of computers may new research involves sehave many shades of mean mantic shifts and interpreing, and the varied structure of foreign languages adds to the complexity.

BORROWED WORDS

In Russian, for example, there are accentific words borrowed directly from other languages; and where the Russians are conducting more advanced research than anyone else they have coined scientific words that don't even exist yet in English.

Politics is a problem too,
Howerton aid and a machine with a purely scientific. This role for librarians was urged by Lawrence Clark Powell dean of the

taken from the dialectics of nia at Los Angeles, Marxism-Leninism to show

or political hacks who might and justice," Powell said.

cut off research funds or ad-

SEMANTIC SHIFTS

"This necessity of con difficult, he said: Foreign stantly demonstrating the

tation of scientific terms."
All of this, obviously, makes life tough for a syntax-bound computer.

In another vein, the librar lans were urged yesterday to stand fast against book con sorship and to take a public stand whenever nocessary to champion ideas of individual liberty and social responsibility when they are threat ened by racial bigots or po

Clark Powell, dean of the School of Library Services In Soviet research reports, School of Library Services Howerton said, "terms are at the University of Califor

Books, which can he "borthat the new research is not rowed from public libraries a departure from ideological and bought in supermarkets and drugstores," are the re-"The purpose is to fore pository of America's "sacred stall criticism by the party ideas of freedom, tolerance

versely affect the research attended by more than 800 er's position and prestige in experts from specialized lithe Soviet scientific commu- braries all over the country, ends Thursday.

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